

NREL ENVIRONMENTAL CHECKLIST



- INSTRUCTIONS:**
- 1) Complete this form in accordance with the instructions found in the NREL NEPA Handbook or on the NREL ES&H Homepage (*NREL Environmental Checklist Instructions*). Note: THIS FORM MUST BE TYPED, SIGNED, AND DATED.
 - 2) Upon completion and verification for accuracy, submit to the Environment, Safety, and Health Office
 - 3) If the activity has not begun within 12 months following this NEPA determination or if changes have been made to the scope of the project, a new NEPA evaluation is required. Contact the NREL NEPA Coordinator for assistance.

PLEASE NOTE: This form is a stand-alone document and must include ALL requested information. Only provide attachments if there is insufficient room to respond to a specific item.

PART A: Requester Information – Please complete all information

Project Title:

Awardee Organization Name:

Center/Office:

Project Manager Name:

Project Manager Title:

Phone Number:

Project Manager Signature:

Date:

This section to be completed by NREL NEPA Coordinator:

NREL NEPA Control Number:

NREL NEPA Coordinator Name:

NREL NEPA Coordinator Signature:

Date:

PART B: Proposal Summary

Please provide a brief summary of the proposed scope of work (attach a separate sheet). The following information *must* be provided in your description of the proposed activity:

- (a) *What* will be done (describe both the construction/installation and operation phases);
- (b) *Why* is the work being done (purpose);
- (c) *When* the DOE-sponsored work is scheduled to occur;
- (d) *How* the work will be accomplished (i.e., what methods/procedures/instruments will be used);
- (e) *Where* the proposed activity will take place (including city/state). INCLUDE A SITE PLAN (8.5" x 11") or floor plan if indoors, where applicable, AND A LOCATION MAP (8.5" x 11") for construction or other outdoor projects on one of NREL's Golden sites;
- (f) *Who* will be performing the work?
- (g) *Environmental* conditions (e.g., landscaped office park, industrial park, rural park, rural area, university campus, etc.)
- (h) If another federal or state agency is involved, describe the level of environmental evaluation being done or completed. List agency contact name, address and phone number. Attach copies of any environmental review documentation generated.

PART C: Environmental/Sensitive Resource Considerations

Evaluate the following items with respect to the proposed project/activity, and mark each with a "yes" or "no" response, as appropriate. There is a guide question(s) below each item to assist with your responses; if your answer to any of the guide questions is "yes," then a "yes" response should be checked for the item. **FOR EACH "YES" RESPONSE, CONSULT THE INSTRUCTIONS FOR ADDITIONAL REQUIRED INFORMATION, AND PROVIDE AN EXPLANATION AT THE END OF THIS SECTION.**

		<u>YES</u>	<u>NO</u>
<i>AIR RESOURCES:</i>			
1.	Air Emissions Will the proposed action result in the emission of any air pollutant?	<input type="checkbox"/>	<input type="checkbox"/>
2.	Non-Attainment Area Will the proposed action result in the emission of a criteria pollutant for which the area has been classified as non-attainment?	<input type="checkbox"/>	<input type="checkbox"/>
3.	Class I Air Quality Control Region Class I areas are generally national parks or wilderness areas where there is little tolerance for air quality deterioration. Check "yes" if there are any such areas within 10 km of the project area.	<input type="checkbox"/>	<input type="checkbox"/>
4.	Ozone Depleting Substances Will any ozone depleting substances be used as products or contained in equipment for this project?	<input type="checkbox"/>	<input type="checkbox"/>
<i>WATER RESOURCES</i>			
5.	Liquid Effluent Will there be any discharges to a sanitary sewer system, septic system, soils, retention ponds, or waters of the United States or state?	<input type="checkbox"/>	<input type="checkbox"/>
6.	Wetlands and Water Bodies Are there any wet areas (e.g. swamps, marches, bogs, wet meadows, ponds) with saturated or seasonally saturated soil conditions in the vicinity of the proposed action?	<input type="checkbox"/>	<input type="checkbox"/>
7.	Groundwater Could the project constitute a potential source of contamination to groundwater OR has the location of the proposed action been designated for special protection to assure the quality and availability of public drinking water supplies (e.g. is included in an area wide ground water quality protection plan)?	<input type="checkbox"/>	<input type="checkbox"/>
8.	Coastal Zones Coastal zone means the waters and adjacent shorelands of the Great Lakes; Atlantic, Pacific, and Arctic Oceans; Gulf of Mexico, and Long Island Sound. Coastal zone states include all states bordering those water bodies plus Puerto Rico, the Virgin Islands, Guam, the Commonwealth of Northern Mariana Islands, and the Trust Territories of the Pacific islands and American Samoa. Is the proposed action located in or in the vicinity of a coastal zone State or territory?	<input type="checkbox"/>	<input type="checkbox"/>
9.	Floodplains Floodplains are lowlands adjoining inland and coastal waters with a 1 percent or greater chance of inundation in any given year. Is the proposed project location in or adjacent to a floodplain area?	<input type="checkbox"/>	<input type="checkbox"/>
10.	Dredge or Fill (Clean Water Act Section 404) Does the project involve excavation of material or placing material in or adjacent to any wetland or water body, including seasonally or periodically dry stream beds or natural drainage areas?	<input type="checkbox"/>	<input type="checkbox"/>

		<u>YES</u>	<u>NO</u>
<i>NATURAL RESOURCES:</i>			
11.	Threatened/Endangered Species and/or Critical Habitats Are any state or federally-listed or proposed threatened or endangered species or critical habitat located in the potential area of affect or could these be indirectly affected by the proposed action?	<input type="checkbox"/>	<input type="checkbox"/>
12.	Other Protected Species (eagles, migratory birds) Will the proposed action directly or indirectly impact any species protected under other federal and state laws (e.g. Bald and Golden Eagle Protection Act, Migratory Bird Treaty Act)	<input type="checkbox"/>	<input type="checkbox"/>
13.	Archaeological/Historic/Cultural Resources Is there any site or structure of historic significance in the vicinity of the proposed action? Also check "yes" if an archeological survey has not been performed in the area.	<input type="checkbox"/>	<input type="checkbox"/>
14.	Prime, Unique, or Locally Important Farmland Will any farmland be impacted by the proposed action?	<input type="checkbox"/>	<input type="checkbox"/>
15.	Areas with Special Designation (e.g., National Forests, Parks, Trails) Is the proposed project in or adjacent to any areas of special environmental or natural significance, for example, national parks, national monuments, national recreation areas, national wild and scenic rivers, etc.?	<input type="checkbox"/>	<input type="checkbox"/>
<i>PERMITTING:</i>			
16.	New or Modified Federal, State, or Local Permits Will new federal, state, or local permits be required or will existing permits have to be modified as a result of the proposed action?	<input type="checkbox"/>	<input type="checkbox"/>
17.	Exemption from ES&H Regulations or Permits Will the proposed project involve a request for an exemption from permit or other legal requirements, NREL ES&H policy/program requirements, or DOE order requirements?	<input type="checkbox"/>	<input type="checkbox"/>
18.	Navigable Air Space Does the proposed activity involve construction or alteration more than 150 feet above ground level or construction or alteration in instrument approach areas?	<input type="checkbox"/>	<input type="checkbox"/>
<i>CHEMICAL USE:</i>			
19.	Asbestos Removal Does this project involve demolition or renovation of an existing building that contains asbestos?	<input type="checkbox"/>	<input type="checkbox"/>
20.	PCBs Does the proposed project involve work with polychlorinated biphenyls (PCBs)? If the proposed action involves replacement or removal of electrical equipment, such as capacitors, transformers, voltage regulators, circuit breakers, switches, cables, or electromagnets, the presence or absence of PCBs should be ascertained.	<input type="checkbox"/>	<input type="checkbox"/>
21.	Import, Manufacture, or Processing of Toxic Substances (as regulated by TSCA) Does the proposed action involve the manufacture, import, or use of a new chemical (i.e. a chemical has not been used in the United States before) or the use or generation of the dioxin, TCDD? If so, check yes.	<input type="checkbox"/>	<input type="checkbox"/>
22.	Chemical Storage and Use Does the proposed activity involve the use or storage of chemicals?	<input type="checkbox"/>	<input type="checkbox"/>
23.	Pesticide Use Does the project involve the use of pesticides for controlling such pests as insects, rodents, weeds, nematodes, fungi?	<input type="checkbox"/>	<input type="checkbox"/>

		<u>YES</u>	<u>NO</u>
<i>RADIOACTIVE MATERIALS:</i>			
24.	Radioactive Materials Use: Will any radioactive materials be used to conduct the project, including radioisotopes used or produced, or gauges and equipment containing radioactive materials?	<input type="checkbox"/>	<input type="checkbox"/>
25.	Radiation Exposures and Emissions Does the project present the potential for exposure of personnel to radioactive materials or are these materials emitted to the environment?	<input type="checkbox"/>	<input type="checkbox"/>
<i>WASTE GENERATION:</i>			
26.	Hazardous Waste Will hazardous waste be generated or managed (treated, stored, disposed, or transported) as a result of the proposed activity?	<input type="checkbox"/>	<input type="checkbox"/>
27.	Radioactive Waste Will radioactive waste be generated as a result of the proposed activity?	<input type="checkbox"/>	<input type="checkbox"/>
28.	Mixed Waste (Hazardous + Radioactive) Will mixed waste, containing a hazardous component and a radioactive component, be generated by the proposed project activities?	<input type="checkbox"/>	<input type="checkbox"/>
<i>OTHER ISSUES:</i>			
29.	Disturbance of Existing Contamination Will the proposed action disturb hazardous substances, pollutants, contaminants, or petroleum and natural gas products that already exist in the environment?	<input type="checkbox"/>	<input type="checkbox"/>
30.	Brownfields Will the proposed work occur in or adjacent to a Brownfield location? A Brownfield is a previously contaminated industrial site that has been cleaned up.	<input type="checkbox"/>	<input type="checkbox"/>
31.	Public controversy Is there a potential for public controversy regarding the proposed action?	<input type="checkbox"/>	<input type="checkbox"/>
32.	Depletion of a Non-Renewable or Limited Natural Resource Will the proposed action significantly accelerate exhaustion of a resource that is in limited supply (e.g., geothermal resources, old growth forests, unique ecosystems, minerals, fossil fuels).	<input type="checkbox"/>	<input type="checkbox"/>
33.	Clearing or Excavation Does the proposed action include any uncovering or disturbance of soil, sediments, or land subsurfaces by digging, grading, or blasting?	<input type="checkbox"/>	<input type="checkbox"/>
34.	Noise (in excess of regulations) Will the proposed project result in noise levels above background or in excess of applicable state noise limitations?	<input type="checkbox"/>	<input type="checkbox"/>
35.	Underground Injection Will fluids be emplaced below the ground surface through a bored, drilled, or driven well, or through a dug "well" in which the depth of the dug well is greater than the largest surface dimension?	<input type="checkbox"/>	<input type="checkbox"/>
36.	Underground Storage Tanks Check yes if the project involves any type of tank with 10 percent or more of the tank volume below the ground surface.	<input type="checkbox"/>	<input type="checkbox"/>

Responses to Part C items number 1 - 36 (include item number with each response):